

5 ABSTRACT

Asynchronous mobile communication system, and method for implementing a system  
information broadcasting function in an asynchronous mobile communication system. Upon  
reception of a system information renewal message from a radio network controller, a base  
station stores RSIMs generated by all information block segments and scheduling parameters  
10 in the message, and then calculates a first transmission time point of each of RSIMs. The  
base station then forms a queue of the RSIMs according to a queuing algorithm set for the  
RSIMs. At the end, the base station transmits the RSIM to the air when the transmission  
time point of a first element of the queue is the same with the current time point at every  
20ms intervals. Therefore, the processing time and the use of memory in the channel card of  
15 the base station can be optimized.